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Computing with **neural** circuits: A **model** - Hopfield - Cited by 827

1. Pulse signal circuit, parallel processing circuit, pattern ...

A **neural network** for representing and **processing pattern** information by the **pulse** ... Multiple Views in a **Neural System**." In **Neural** Netword for Perception, vol. ... **Image** Fusion for Object Detecti n Using a **Pulse** Coupled **Neural Network**, ... 706/20, **Classification** or recognition706/22**Signal processing** (e.g., filter) ...
www.patentstorm.us/patents/7085743.html - Similar

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   3. Parallel pulse signal processing apparatus, pattern recognition ...

[0001] The present invention relates to a **parallel pulse signal processing** circuit or **neural network** having a **pattern recognition** function. BACKGROUND ART ...
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4. PULSE SIGNAL CIRCUIT, PARALLEL PROCESSING CIRCUIT, AND PATTERN ...

[0005]**Image** and voice **recognition** implementation **systems** have hitherto been roughly ... One method is a method for representing **recognition** object **model** data as a ... 554-563, and so forth) using a **pulse** coupled **neural network** (which will .... This **pattern detection/recognition system** mainly deals with information ...
www.faqs.org/patents/app/20080270335 - Cached - Similar

5. Image thinning using pulse coupled neural network

A two-level classifier for fingerprint **recognition**. In: Proc. ... Object **detection** using **pulse** coupled **neural** networks, IEEE Trans. ... T. Y. Zhang , C. Y. Suen, A fast **parallel** algorithm for thinning digital patterns, ... Unit-linking **Pulse** Coupled **Neural Network** and its Applications, **Neural Processing** Letters, ...
portal.acm.org/citation.cfm?id=1017990.1017349 - Similar
by X. Gu - 2004 - Cited by 25 - Related articles - All 3 versions

6. Pattern Recognition Letters : Image thinning using pulse coupled ...

Binary **image** thinning plays an important role in **image processing** such as handwriting ... 1993), text **recognition** (Abuhaiba et al., 1996), fingerprint **classification** .... Using this **pulse parallel** transmission characteristic of PCNN can thin binary ..... Binary **image** restoration using **pulse** coupled **neural network**. ...
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7. INFRARED PASSENGER FLOW COLLECTION **SYSTEM** BASED ON RBF **NEURAL NET**

processing of the **neural network pattern recognition**, we ... acquisition including the **signal** 1 changes to 0 or the **signal** ... characteristic of **pulse image**, which is divided into three ... The **model** that can be identified by **neural network** ... according to **identification** with tutor, the **parallel** number ...
ieeexplore.ieee.org/iel5/4604641/4620590/04620601.pdf?arnumber=4620601 - Similar
by J Song - 2008 - Related articles

8. Keith Price Bibliography Thinning Algorithms

Lam, L., Suen, C.Y., An Evaluation of **Parallel** Thinning Algorithms for Character-**Recognition**, ... Special Issue on Thinning Methodologies for **Pattern Recognition**. ..... **Image** thinning using **pulse** coupled **neural network**, ... On the **Detection** of Simple Points in Higher Dimensions Using Cubical Homology, ...
www.visionbib.com/bibliography/twod287.html - Cached - Similar

9. Publications

Pulse image processing using centripetal autowaves", J. M. Kinser, C. Nguyen, Proc. ... "**Neural network** based automated texture **classification system**", Rughooputh, ... "**Detection** of microcalcification by cortical simulation", J. Kinser and Th. ... "Synergistic **Pulse**-Coupled **Neural Network Pattern Recognition**", ...
bmf.gmu.edu/kinser/pubs/pubs.html - Cached - Similar

10. ICSC Symposium on **Neural** Computation 1998

Yong-Hyun Cho: An Efficient Compression of **Image** Data Using **Neural** Networks of Hybrid Learning Algorithm. ... Ucieda-Pardiñas: A **Neural Network** Approach to the **Classification** of ... Time Series Data and Its Applications to Sound **Signal Processing**. ... Christian Schultes: A Relational **Neural Network** Database **Model**. ...
www.informatik.uni-trier.de/~ley/db/conf/nc/nc1998.html - Cached - Similar

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Image Processing Using Pulse coupled Neural ... - by Thomas Lindblad, Jason M Kinser - 164 pages
Neural Networks and Pattern Recognition - by Omid Omidvar, Judith E Dayhoff - 375 pages
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